

In re Appl. of Lucas et al.
Appl. No. 10/085,890
Response to Final Office Action of June 2, 2003

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended) A polyisoprene article made by curing a composition comprising,

100 parts a liquid polyisoprene latex;

from 1.0 to 2.0 parts sulfur;

from 1.0 to 2.0 parts diisopropyl xanthogen polysulfide;

from 0.45 to 0.75 parts a thiuram compound chosen from the group consisting of tetrabenzyl thiuram disulfide and tetraethyl thiuram disulfide;

from 0.3 to 0.5 parts potassium oleate;

from 0.1 to 0.2 parts ethoxylated cetyl/stearyl alcohol;

from 0.3 to 0.7 parts polymeric hindered phenol; and

a xanthogen compound potassium hydroxide in an amount that yields a pH in the range of 10.5-11.0.

Claims 2-13 (cancelled)

Claim 14 (new) A polyisoprene article made by curing a composition comprising,

100 parts liquid polyisoprene latex;

1.5 parts sulfur;

1.5 parts diisopropyl xanthogen polysulfide;

0.6 parts of a compound chosen from the group consisting of tetrabenzyl thiuram disulfide and tetraethyl thiuram disulfide;

0.4 parts potassium oleate;

0.15 parts ethoxylated cetyl/stearyl alcohol;

0.5 parts polymeric hindered phenol; and

potassium hydroxide in an amount that yields a pH in the range of 10.5-11.0.

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Claim 15 (new) A polyisoprene article made by curing a composition comprising,

100 parts liquid polyisoprene latex;

from 1.0 to 2.0 parts sulfur;

from 1.0 to 2.0 parts diisopropyl xanthogen polysulfide;

from 0.3 to 0.5 parts zinc dibenzylthiocarbamate;

from 0.3 to 0.5 parts potassium oleate;

from 0.1 to 0.2 parts ethoxylated cetyl/stearyl alcohol;

from 0.3 to 0.7 parts polymeric hindered phenol; and

potassium hydroxide in an amount that yields a pH in the range of 10.5-

11.0.

Claim 16 (new) A polyisoprene article made by curing a composition comprising,

100 parts liquid polyisoprene latex;

1.5 parts sulfur;

1.5 parts diisopropyl xanthogen polysulfide;

0.4 parts diisopropyl xanthogen polysulfide;

0.4 parts potassium oleate;

0.15 parts ethoxylated cetyl/stearyl alcohol;

0.5 parts polymeric hindered phenol; and

potassium hydroxide in an amount that yields a pH in the range of 10.5-

11.0.